

Aristo® Mig 4004i Pulse

Light weight, multi-process inverter power source



Aristo Mig 4004i Pulse shown with COOL 1 water cooler and Aristo U8₂ Plus control

The Aristo® Mig 4004i Pulse power source is designed for high quality and high productivity welding applications. This multi-process welding package features the latest inverter technology to efficiently weld mild steel, stainless steel and aluminum using solid or flux cored wire.

It also offers a considerably improved power factor, better than 0.94 and an efficiency of 88%. This provides minimized energy consumption and offers significant reductions in your energy cost under similar welding conditions.

- Pulse functionality reduces heat input and minimizes spatter
- Up to 250 pre-programmed synergic lines
- QSet™ intelligent welding system
- Crater filling and adjustable burn back time
- Pre and post gas flows
- ESAB LogicPump prevents overheating of the torch
- TrueArcVoltage™ system measures the correct arc voltage at the contact tip (together with ESAB torches)

Visit esab.com for more information.

Industry

- Industrial and General Fabrication
- Energy
- Windtowers
- Transportation
- Railcars
- Mining
- Mobile Machinery
- Steel Industry
- Ship/Barge Building
- Offshore Oil



Aristo Mig 4004i Pulse with WeldCloud Top Box online weld management platform

Aristo[®] Mig 4004i Pulse

| Specifications | |
|---|---|
| Aristo Mig 4004i Pulse Power Source | |
| Primary Voltage | 380 – 460 V |
| Number of Phases | 3 ph |
| Supply Frequency | 50/60 Hz |
| Fuse Slow | 20 A |
| Setting Range MIG (GMAW) | 16 – 400 A |
| Setting Range STICK (SMAW) | 16 – 400 A |
| Setting Range TIG (GTAW) | 4 – 400 A |
| Welding Output | 400 A/34 V @ 60% Duty Cycle 300 A/29 V @ 100% Duty Cycle |
| Open Circuit Voltage | 55 V |
| Open Circuit Voltage VRD | < 35 V |
| Energy Save Mode | 40 W |
| Rated kVA | 25.2 kVA |
| Power Factor at Maximum Current | 0.94 |
| Efficiency at Maximum Current | 88% |
| Operating Temperature | 14 – 104°F (-10 – 40°C) |
| Protection Class | IP23 |
| Insulation Class | H |
| Dimensions L x W x H | 24 x 10 x 17.5 in. (610 x 250 x 445 mm) |
| Weight without COOL 1 with COOL 1 | 98 lbs. (44.5 kg) 128 lbs. (58 kg) |
| Application Class | S |
| COOL 1 Water Cooling Unit (Optional) | |
| Supply Voltage | 24 VDC |
| Cooling Capacity | 1.3 kW |
| Coolant Volume | 1.2 gal (4.5 L) |
| Max Flow | 0.8 gal/min (3.0 L/min) |
| Max Pressure | 4.5 bar |
| Max Torch Height | 28 ft. (8.5 m) |
| Dimensions L x W x H (includes filler tube) | 24 x 10 x 10 in. (610 x 256 x 256 mm) |
| Weight with coolant without coolant | 36 lbs. (16.5 kg) 26.5 lbs. (12 kg) |

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| Specifications | |
|--|---|
| Aristo Feed 3004 Wire Feeder | |
| Supply Voltage | 42 VAC |
| Wire Spool Capacity | 40 lbs. (18 kg) |
| Max. Spool Diameter | 12 in. (300 mm) |
| Wire Feed Speed | 31.5 – 984 ipm (0.8 – 25 m/min) |
| Wire Dimensions: Steel/Stainless Steel | .023 – 1/16 in. (0.6 – 1.6 mm) |
| Aluminum | .040 – 1/16 in. (1.0 – 1.6 mm) |
| Cored Wire | .030 – 1/16 in. (0.8 – 1.6 mm) |
| Dimensions L x W x H | 27 x 11 x 16.5 in. (690 x 275 x 420 mm) |
| Weight | 33 lbs. (15 kg) |

| Ordering Information | |
|---|-------------|
| Description | Part Number |
| Aristo Mig 4004i Pulse, 460V | 0465152882 |
| Aristo Mig 4004i Pulse/3004 U6 Ready-To-Weld | 0558102268 |
| Aristo Mig 4004i Pulse/3004 U8 ₂ Plus Ready-To-Weld | 0558102269 |
| Aristo Mig 4004i Pulse/3004 U6 Basic | 0558102226 |
| Aristo Mig 4004i Pulse/3004w U6 Basic | 0558102227 |
| Aristo Mig 4004i Pulse/3004 U8 ₂ Plus Basic | 0558102228 |
| Aristo Mig 4004i Pulse/3004w U8 ₂ Plus Basic | 0558102229 |
| Aristo Mig 4004i Pulse U6 for PPG 26 KD Push-Pull Gun | 0558102264 |
| Aristo Mig 4004i Pulse U8 ₂ Plus for PPG 26 KD Push-Pull Gun | 0558102265 |
| Aristo Mig 4004i Pulse, with WeldCloud Top Box* | 0445301881 |

*For more information on WeldCloud online weld management platform, see separate fact sheet.

| Options & Accessories - Wire Feeders | |
|--|-------------|
| Description | Part Number |
| Aristo Feed 3004, U6 Encl. 10 pole, air-cooled | 0460526486 |
| Aristo Feed 3004w, U6 Encl. 10 pole, water-cooled | 0460526896 |
| Aristo Feed 3004, U8 ₂ Plus Encl. 10 pole, air-cooled* | 0460526481 |
| Aristo Feed 3004w, U8 ₂ Plus Encl. 10 pole, water-cooled* | 0460526891 |
| Aristo YardFeed 200w, U6 Encl. 10 pole, water-cooled | 0459906896 |

*Requires Aristo U8₂ Plus 0460820881.

| Options & Accessories | |
|--|-------------|
| Description | Part Number |
| Aristo U8 ₂ Plus | 0460820881 |
| Aristo U8 ₂ control cable extension, 24.6 ft. (7.5 m) | 0460877891 |
| Strain relief for welding gun | 0457341881 |
| Strain relief for connection cables | 0459234880 |
| Lifting eye | 0458706880 |
| Quick connector for Marathon Pac | 899F50 |

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| Options & Accessories | |
|--|-------------|
| Description | Part Number |
| Inlet guide for Marathon Pac (use with 899F50) | 0558002354 |
| Remote control MTA1 CAN | 0459491880 |
| Remote control MT1 10Prog CAN | 0459491882 |
| Remote interconnection cable, 16.4 ft. (5 m) | 0459960880 |
| Remote adapter kit for Miggytrac/Railtrac | 0459681880 |
| Push-pull gun connection kit, basic | 0459020883 |
| Push-pull gun connection kit, remote WFS | 0459681881 |
| COOL 1 water cooler | 0462300880 |
| COOL 1 flow guard | 0456855881 |
| Adapter for 11 lbs. (5 kg) spool | 0455410001 |
| Spool cover, steel | 0459431880 |
| Adapter for spool diameter 17 in. (440 mm) | 0459233880 |
| Wheel kit for wire feeder | 0458707880 |
| Trolley 4-wheel - standard | 0462151880 |
| Trolley 4-wheel - standard, bracket (without COOL 1) | 0463125880 |
| Trolley 2-wheel | 0460564880 |
| Trolley 4-wheel - for MiniBoom | 0460565880 |
| Bracket kit to assemble power source to 2/4-wheel trolley | 0461310880 |
| Trolley 4-wheel stabilizer kit for counterbalance device | 0460946880 |
| MiniBoom counterbalance device** | 0458705880 |
| Interconnection Cable - 70mm ² , 5.5 ft. (1.7 m) - air-cooled | 0349312450 |
| Interconnection Cable - 70mm ² , 16.4 ft. (5 m) - air-cooled | 0349312451 |
| Interconnection Cable - 70mm ² , 33 ft. (10 m) - air-cooled | 0349312452 |
| Interconnection Cable - 70mm ² , 49 ft. (15 m) - air-cooled | 0349312453 |
| Interconnection Cable - 70mm ² , 82 ft. (25 m) - air-cooled | 0349312454 |
| Interconnection Cable - 70mm ² , 115 ft. (35 m) - air-cooled | 0349312455 |
| Interconnection Cable - 70mm ² , 5.5 ft. (1.7 m) - water-cooled | 0459528790 |
| Interconnection Cable - 70mm ² , 16.4 ft. (5 m) - water-cooled | 0459528791 |
| Interconnection Cable - 70mm ² , 33 ft. (10 m) - water-cooled | 0459528792 |
| Interconnection Cable - 70mm ² , 49 ft. (15 m) - water-cooled | 0459528793 |
| Interconnection Cable - 70mm ² , 82 ft. (25 m) - water-cooled | 0459528794 |
| Interconnection Cable - 70mm ² , 115 ft. (35 m) - water-cooled | 0459528795 |

**Requires P/N 0460565880, 0461310880 and 0460946880.



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COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =